

Year 6 Mathematics Yearly Overview and timeline

2012-2013 (Updated: 24 August, 2012)

Week	Date	Branches and topic
1	27-Aug-31-Aug	Orientation: Understand the MYP Maths curriculum Knowing yourself (4 operational skills: +/÷/×/+ and order of operations) Develop your Math Binder (H&H Ch2) Pre Assessment: 31/8 (speed test and simple problems)
2	3-Sep-7-Sep	Number: Decimal in Real life Constructing decimal number Representing decimal number Decimal currency
3	10-Sep-14-Sep	Using a number line Ordering decimals Rounding decimal numbers Converting decimals to fractions and vice versa (H&H Ch 9)
4	17-Sep-21-Sep	Arithmetic on decimal Adding and subtracting decimals Multiplying and dividing decimals Mixed operation of decimals
5	24-Sep-28-Sep	Solving decimal problems Terminating and recurring decimals Using calculators (H &H Ch 11) # Assessment 1 (A C D): 19/9-21/9 any 2 lessons # Assessment 2 (C): 24/9 (Folder organization)
6	1-Oct-5-Oct	1/10: Day after Mid-Autumn Festival 2/10: Day after National Day 3-5/10: YEAR 6 CAMP
7	8-Oct -12-Oct	Number: Fractions Representing fractions Fractions of regular shapes Equal fractions (Equivalent fractions) Simplifying fractions (Reduce fractions) Fractions of quantities Comparing fractions Improper fractions and mixed numbers (H&H Ch 6)
8	15-Oct-18-Oct	Fraction Operations Adding and subtracting fractions Multiplying fractions Reciprocals and dividing fractions Mixed operation of fractions Solving fractions problems (H&H Ch 8) # Assessment 3 (A C): 30/10 (Tuesday) * Instruction for problem solving investigation will be given out on either 17/10 or 18/10
9	22-Oct-26-Oct	23/10: Chung Yeung Festival 122-2/10: Mid Term Break
10	29-Oct-2-Nov	Problem Solving Strategies Investigate into different problem solving strategies Trial and Error Making a list Modeling or drawing a picture Making a table and looking for a pattern Working backwards (H&H Ch 10) # Assessment 4 (B D): 31/10-2/11 any 2 lessons

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11	5-Nov-9-Nov	Algebra Algebra and pattern and simple equation Patterns and variables Algebraic expression and substituting
12	12-Nov-16-Nov	Linear graphs Simple equation and problems (H&H Ch 18 & Ch 20)
13	19-Nov-23-Nov	Geometry: Location Map reference Number grids / Co-ordinates 1 st quadrant Interpreting and plotting points on a grid (H&H Ch 4)
14	26-Nov-30-Nov	Review week (3-4 lessons)
15	3-Dec-7-Dec	Summative Assessment Week # Assessment 5 (B C): 7/12 # Assessment 6 (D): 10/12 (folder + reflection)
16	10-Dec-14-Dec	Number: Percentage Concept of percentage Real life example of percentage
17	17-Dec-21-Dec	Converting fractions to percentages Converting percentages to fractions Converting decimals to percentages Converting percentages to decimals
18	24-Dec-28-Dec	Plotting numbers on a number line (H&H Ch 14)
19	31-Dec-4-Jan	Number and Statistics and probability: Using Percentage and pie chart
20	7-Jan-11-Jan	Comparing quantities Finding percentage of quantities Percentage and money Percentage error
21	14-Jan-18-Jan	*Profit and loss *Discounts *Good tax Pie Chart (drawing without detail calculation of degree of the sector) (H&H Ch 16) *For more advanced students only
22	21-Jan-25-Jan	Statistics and probability: Data Handling, average, bar charts and broken line graph
23	28-Jan-1-Feb	Sample and populations Categorical data
24	4-Feb - 8-Feb	Graphs of categorical data Numerical data
25	11-Feb -15-Feb	Mean or average
26	18-Feb -22-Feb	Bar charts and broken line graph and different types of graph (H&H Ch 17)
27	25-Feb -1-Mar	# Assessment 7 (C D): 27/2-1/3 any 2 lessons
28	4-Mar -8-Mar	Number / measurement / graphs: Time
29	11-Mar -15-Mar	Time lines, Units of time, Difference in time, Reading clocks and watches, Timetables, Timezones Time and speed
30	18-Mar -22-Mar	Speed Travel Graph (H&H Ch 15) # Assessment 8 (C): 18/3 (Folder organization)
31	25-Mar -29-Mar	# Assessment 9 (B D): 26/3
32	1-Apr -5-Apr	28/3-4/4: Easter Holiday 5/4: Ching Ming Festival

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33	8-Apr -12-Apr	Geometry & trigonometry: Measurement
34	15-Apr -19-Apr	Units of measurement, reading scales, length conversions, perimeter, scale diagrams and mass (H&H Ch 12) 7 lessons
35	22-Apr -26-Apr	Project Week
36	29-Apr -3-May	Geometry & trigonometry: 3D Shapes Vertices and edges Nets of prisms and cylinders Sections
37	6-May -10-May	Free drawings of solids Isometric projections (H&H Ch 24)
38	13-May -17-May	Capacity and volume Volume of irregular solids Volume problems (H&H Ch 19) 7 lessons
39	20-May -24-May	# Assessment 10 (A B): 24/5
40	27-May -31-May	Review for SAW
41	3-Jun -7-Jun	Summative Assessment Week # Assessment 11 (A C): 7/6
42	10-Jun -14-Jun	# Assessment 6 (D): 10/6 (Folder + reflection)
43	17-Jun -21-Jun	Geometry & trigonometry: Transformations Reflections and line symmetry Rotations and rotational symmetry Translations Enlargements and reductions Tessellations (H&H Ch 22)
44	24-Jun -28-Jun	IDU WEEK (20-25 Jun)